

Section 5.3 REVIEW PACKET

State the slope and y-intercept for each equation.

1. $y = -\frac{2}{5}x + 9$

$m = -\frac{2}{5}$ $b = +9$

2. $y = 5y + 5$

$m = 5$ $b = +5$

3. $4y = 8x - 16$

$y = 2x - 4$

$m = 2$ $b = -4$

Write the equation of a line in slope-intercept form given the following.

4. $m = 0.4, b = -9$

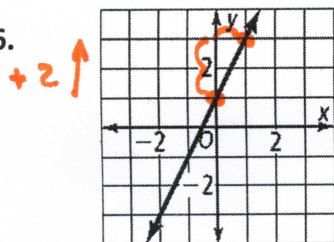
$y = 0.4x - 9$

5. $m = 0, b = 3$

$y = 0x + 3$
 $y = 3$

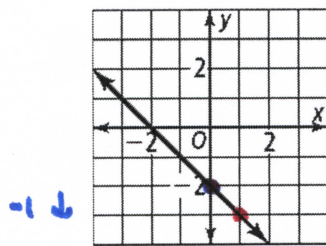
Write the equation of a line in slope-intercept form given the following.

6.



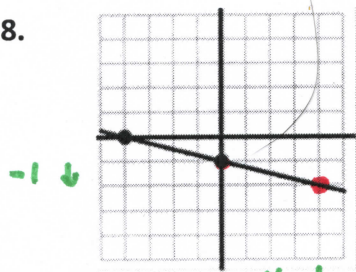
$m = \frac{2}{1} = 2$ $b = +1$
 $y = 2x + 1$

7.



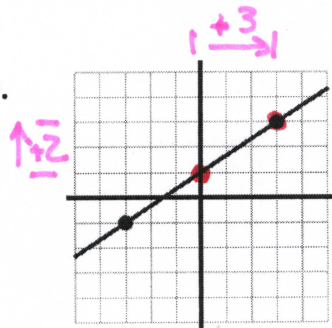
$m = -1$ $b = -2$
 $y = -1x - 2$ or $y = -x - 2$

8.



$m = -\frac{1}{4}$ $b = -1$
 $y = -\frac{1}{4}x - 1$

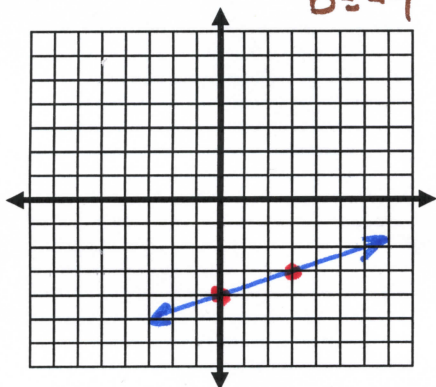
9.



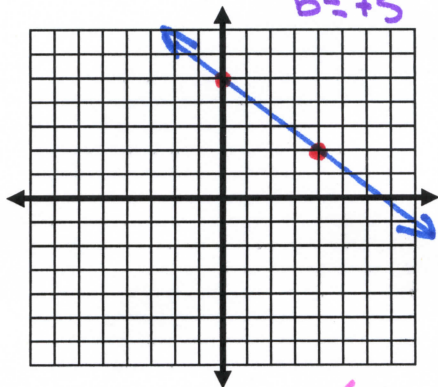
$m = \frac{2}{3}$ $b = +1$
 $y = \frac{2}{3}x + 1$

Graph the following equations.

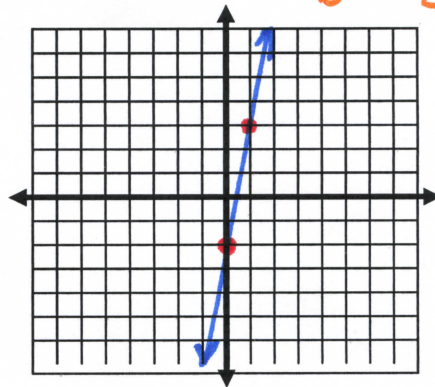
10. $y = \frac{1}{3}x - 4$ $m = \frac{1}{3}$
 $b = -4$



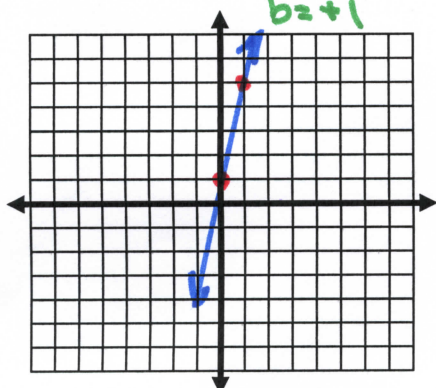
11. $y = -\frac{3}{4}x + 5$ $m = -\frac{3}{4}$
 $b = +5$



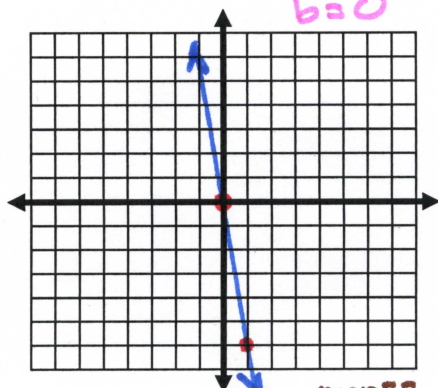
12. $y = 5x - 2$ $m = \frac{5}{1}$
 $b = -2$



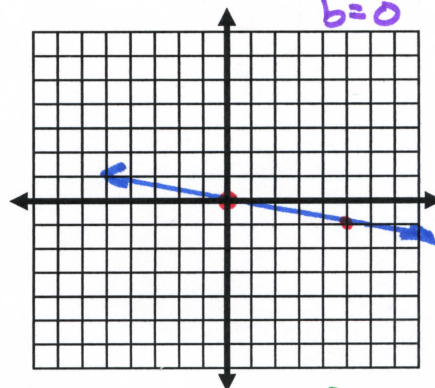
13. $y = 4x + 1$ $m = \frac{4}{1}$
 $b = +1$



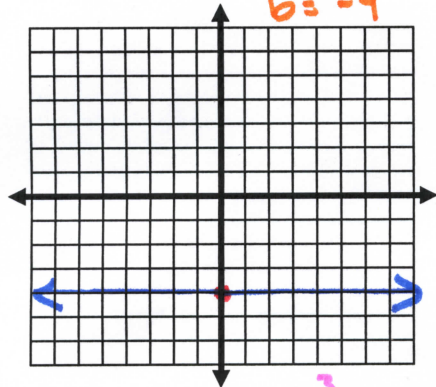
14. $y = -6x$ $m = -\frac{6}{1}$
 $b = 0$



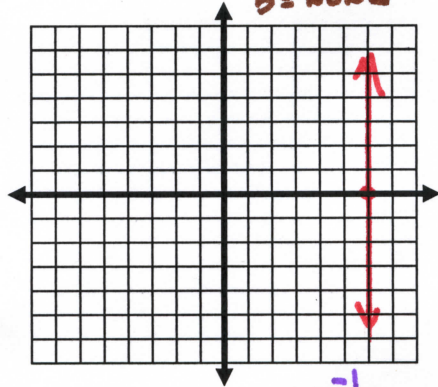
15. $y = -\frac{1}{5}x$ $m = -\frac{1}{5}$
 $b = 0$



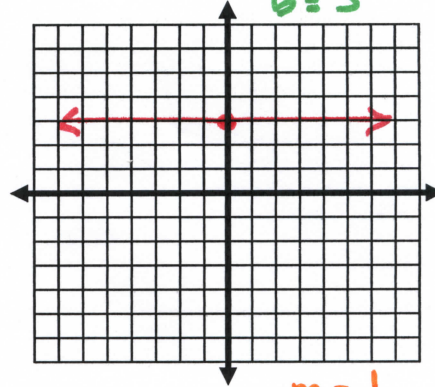
16. $y = -4$ $m = 0$
 $b = -4$



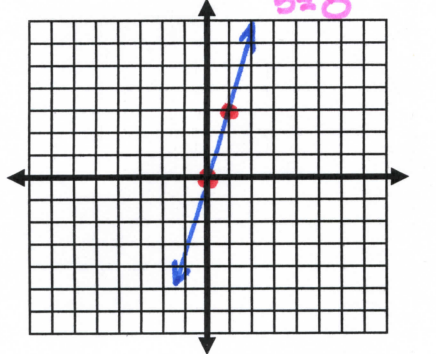
17. $x = 6$ $m = \text{UNDEF.}$
 $b = \text{NONE}$



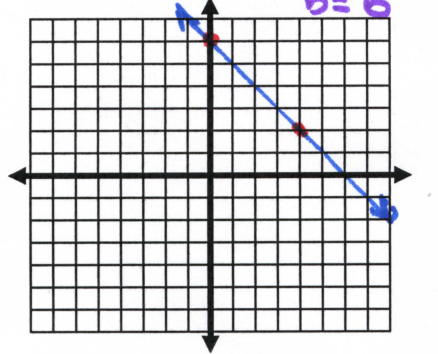
18. $y = 3$ $m = 0$
 $b = 3$



19. $y = 3x$ $m = \frac{3}{1}$
 $b = 0$



20. $y = -x + 6$ $m = -\frac{1}{1}$
 $b = 6$



21. $y = x - 2$ $m = \frac{1}{1}$
 $b = -2$

